Assignment 1

DSA0156-Object oriented programming

C++ Gaming

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1.Odd or Even

Odd or even.cpp

```cpp
#include <iostream>
using namespace std;

int main() {
  int n;
  cout << "Enter an integer: ";
  cin >> n;
  if ( n % 2 == 0)
    cout << n << " is even.";
  else
    cout << n << " is odd.";
  return 0;
}
```

```
Enter an integer: 5
5 is odd.
--------------------------------
Process exited after 7.512 seconds with return value 0
Press any key to continue . . .
```

2.Vowel or consonant

Odd or even.cpp | Vowel.cpp | Vowel.cpp

```cpp
#include <iostream>
using namespace std;
void vowel(char x)
{
    if (x == 'a' || x == 'e' || x == 'i' || x == 'o'
        || x == 'u' || x == 'A' || x == 'E' || x == 'I'
        || x == 'O' || x == 'U')
        cout << "Vowel" << endl;
    else
        cout << "Consonant" << endl;
}
int main()
{
    char c;
    cout << "Enter an alphabet: ";
    cin >> c;
    vowel(c);
    return 0;
}
```

C:\Users\Kevin Allen\Music\C

```
Enter an alphabet: a
Vowel

--------------------------------
Process exited after 1.828 seconds with return value 0
Press any key to continue . . .
```

3.Largest of three numbers

Odd or even.cpp | Vowel.cpp | Vowel.cpp | Largest of three numbers.cpp

```cpp
#include <iostream>
using namespace std;
int main() {
    double n1, n2, n3;
    cout << "Enter three numbers: ";
    cin >> n1 >> n2 >> n3;
    if(n1 >= n2 && n1 >= n3)
        cout << "Largest number: " << n1;
    else if(n2 >= n1 && n2 >= n3)
        cout << "Largest number: " << n2;
    else
        cout << "Largest number: " << n3;
    return 0;
}
```

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```
Enter three numbers: 14
23
55
Largest number: 55
--------------------------------
Process exited after 7.866 seconds with return value 0
Press any key to continue . . .
```